AoIP
MASTER STATION
MODEL : ELM200

DESCRIPTION

The ELM 200 Network Able Master Station/ Access Panel provides the human interface to ComTrol's AoIP system, enabling all necessary PAGA control functions through Ethernet-IP networks. The device may be installed anywhere in the network, allowing complete freedom in locating the system operator.

ELM 200 is customizable and configurable for different numbers of PAGA zones and alarm tones. Zone and Alarm/tone are selected using heavy duty switches illuminated in clear colours with two-tone brightness to enhance visibility. A graphical LCD displays Zone selection, Alarm/tone selection and Call Station status, as well as supporting configuration. An advanced, low noise microphone is supplied, featuring integral hum and background noise reduction.

FEATURES

- Two Ethernet ports support dual homing or subnets
- Supports Layer 3 switching on FE or GBE networks
- Power over Ethernet option - IEEE 802.3at
- Latency deterministic throughout the network
- Lowest latency available from any networking technology
- Can use existing or dedicated LAN infrastructure
- Bit depths: up to 32 bits per sample
- Advanced noise cancelling microphone
- Heavy duty programmable control switches
- Controls configurable for zoning, grouping, & alarm activation
- System supervision and monitoring by LCD display
- Built-in 1-Watt Audio Amplifier

ELECTRICAL CHARACTERISTICS

Power Requirements	Values
DC Supply Input (Option)	Power-over-Ethernet, PD, IEEE802.3at, PoE plus
AC Supply Input	100-240Vac 47-63Hz
Power Input (ac)	24VA
Microphone	
Type	MEMS Active Microphone
Sensitivity	-38dBV
Current Consumption	180µA
Signal to Noise Ratio	65dBA
Frequency Response	100 to 10000 Hz ±1.5dB
Output Impedance	200Ω
Digital Audio	
Digital Audio Format	I2S
Audio transport Format	Dante Audio over IP
Sample Rates	44.1/48/88.2/176.4/192 kHz
Sample Bit Depth	16,24 or 32 bits per sample
Network Interface	
Connector	RJ-45
Speed	100/1000Mbps (FE or GBE)
Number of Ports	Two
Network Configuration	Switched or Redundant
IP Address	Static/ Dynamic/ Automatic
Layer 3 Switching	Yes
Power over Ethernet (PD)	IEEE 802.3at, PoE plus

ENVIRONMENTAL RATING

IP Rating	IP-31
Hazardous Area Rating	Safe Area
Operating Temperature	5°C to 65°C
Relative Humidity	5-95% Non-condensing

MECHANICAL CHARACTERISTICS

Enclosure Dimensions	140 x 240 x 220 (H x W x D, in mm)
Weight	2 Kg
Material and Protective coating	Mild Steel, Powder coated enclosure

ORDERING INFORMATION

Model	Description
ELM200-POE	Digital Master Station with POE
ELM200-2AC	Digital Master Station with Redundant AC supply Input
ELM200-AC	Digital Master Station with AC supply Input